

AGS Geometry

AGS Geometry has students explore geometric solids, triangles, The Pythagorean Theorem, quadratic equations, length, area, and volume.

Teacher Edition		
0785438300		\$69.99
AGS Geometry, Teacher's Edition		
Essential Items		
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ISBN**0785438297**Contract Price

\$49.99

Grade

6, 7, 8, 9, 10, 11, 12

TYPE

P1

Copyright

2005

Author

Haenisch, Siegfried

Edition

2nd

Content

Geometry

Readability

Grades 4-5

Accessibility

n/a

ResearchContact Publisher at
800-328-2560

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

Provided by the Publisher	ISBN 0785438297		Publisher - Pearson Education, Inc., publishing as AGS Globe		Provided by the Publisher
	AGS Geometry				
	Type - P1	Author - Haenisch, Siegfried			
	Copyright - 2005	Edition - 2nd	Readability - Grades 4-5		
	Course - Geometry		Grade(s) - 6, 7, 8, 9, 10, 11, 12		
	Teacher Edition ISBN if applicable0785438300				

Overall Recommendation:

Recommended as BASAL

Overall Strengths, Weaknesses, Comments:

if this box is not checked, the evaluators have
chosen NOT recommend as basal

This textbook provides minimal coverage of the Program of Studies and would be most appropriate for students with learning difficulties. There is a strong focus on basic geometry skills, with few opportunities for developing reasoning skills. The material is well-differentiated for students below grade level. Technology use is limited.

NIMAC Accessibility N/A
Ancillary Yes
Free with Purchase Yes
Research Yes Contact Publisher at 800-328-2560

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CRITERIA

This basal resource ...

A. Encompasses KY Content Standards & Grade Level Expectations Moderate Evidence

Text is designed to be used in an elective course outside the Program of Studies

1) Includes the 5 Big Ideas of mathematics to the following extent:

- | | |
|--|-------------------|
| a) Number Properties and Operations | Moderate Evidence |
| b) Measurement | Moderate Evidence |
| c) Geometry | Strong Evidence |
| d) Data Analysis and Probability | Not Applicable |
| e) Algebraic Thinking | Moderate Evidence |

2) Addresses content-specific enduring understandings from the related Program of Studies standards. Moderate Evidence

3) Addresses content-specific skills and concepts from the related Program of Studies standards. Moderate Evidence

4) Content addressed is current, relevant and non-trivial	Strong Evidence
5) Provides opportunities for critical thinking/reasoning	Moderate Evidence
6) Strengths, Weaknesses, Comments: <ul style="list-style-type: none"> • Specific strengths-which areas/concepts are covered exceptionally well? • Specific weaknesses-which areas/concepts would likely require supplementing? <p>Textbook address the Program of Studies. The depth to which concepts are investigated is limited at times. The focus of the textbook is computational and algorithmic operations, rather than critical thinking or reasoning.</p>	

B. Functionality & Suitability	Moderate Evidence
1) Suitability	Strong Evidence
<ul style="list-style-type: none"> • Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind. 	
2) Content quality	Strong Evidence
<ul style="list-style-type: none"> • Free from factual errors • Content is presented conceptually when possible—more than a mere collection of facts • Content included accurately represents the knowledge base of the discipline • Theories/scientific models contained represent a broad consensus of the scientific community • Interconnections among mathematical topics 	
3) Connections to Literacy	Moderate Evidence
<ul style="list-style-type: none"> • Employs a variety of reading levels and is grade/level appropriate • Use of multiple representations-concrete, visual/spatial, graphs, charts, etc. • Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles. • Student text provides opportunity to integrate reading and writing • Uses vocabulary that is age and content appropriate • Focuses on critical vocabulary vs. extensive lists • Identifies key vocabulary through definitions in both text and glossary • The text is engaging and facilitates learning • Embedded activities enhance the understanding of the text <p><i>Note: may apply to either student or teacher editions</i></p>	
4) Connections to Technology	Little or No Evidence
<ul style="list-style-type: none"> • Integrates technology and reflects the impact of technological advances • Uses technology in the collection and/or manipulation of authentic data • Embeds web links as a mathematics resource. 	
5) Support for Diverse Learners	Strong Evidence
<ul style="list-style-type: none"> • Provides support for ESL students 	

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties

Note: may apply to either student or teacher editions

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Textbook is written at a relatively low reading level. Few opportunities for extensions are provided. Few questions require an explanation of results. Vocabulary is bold-faced and re-iterated in colored boxes in the margins. Examples are indicated by a shaded background. Little use of technology is present. Differentiation is strong, but little challenge is given for gifted students.

C. Supports Inquiry and Skill Development	Moderate Evidence
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1) Promotes Inquiry, research and Application of Learning

Moderate Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

Note: may apply to either teacher or student edition

2) Skill Development

Little or No Evidence

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

Few opportunities for justifying answers, extending reasoning, using technology, or exploring

concepts deeply are provided. A sufficient number of practice problems are available for individual skills. Diagrams support the content.

D. Supports Best Practices of Teaching and Learning**Moderate Evidence****1) Engages Students**

Moderate Evidence

- Includes content geared to the needs, interests, and abilities of all students
 - Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
 - Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
 - Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
 - Activities are truly congruent to the concepts addressed, not merely correlated
- Note: may apply to either teacher or student edition*

2) Uses Assessment to Inform Instruction

Little or No Evidence

- Includes multiple means of assessment as an integral part of instruction
 - Provides evaluation measures in the teacher edition that supports differentiated learning activities
 - Embedded assessments reflect a variety of Depth of Knowledge levels
- Note: may apply to either teacher or student edition*

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

The textbook provides several problem-solving strategies for lessons. Some real-world application are present. While there are an abundance of problems which focus on basic understanding, there are very few problems that encourage a deeper understanding of the concepts. Almost all assessments are at a DOK1 level, with a few DOK2.

E. Has an Organization/ Format that Supports Learning and Teaching**Moderate Evidence****1) Organizational Quality**

Strong Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
 - Presents chapters/lessons in an organized and logical sequence
 - Provides clearly stated objectives for each lesson.
 - Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
 - Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
 - Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
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Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text)

Little or No Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Text features and diagrams enhance readability. Glossary includes useful diagrams. Little use of technology is present.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Moderate Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Ancillary materials include extra practice problems and software for instructional use.
